

## UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND CERTIFICATE OF TYPE APPROVAL

(EC Certificate of Type Examination-2014/90/EU Directive Module B)

**Certificate Number: 164.112/1121/EWC MED0384TE**

Applicant:- **Pyrotek Pty Ltd**  
Address:- 147-149 Magowar Rd Girraween NSW

Manufacturer 1:- Pyrotek Pty Ltd  
147-149 Magowar Rd Girraween NSW  
Manufacturer 2:- Pyrotek Dongguan Limited,  
CaoTang Industry Park, HaDi, NanCheng District,  
DongGuan, GuangDong Province 523085,  
People's Republic of China  
Manufacturer 3:- Pyrotek Inc, Cortland  
641 State Route 13, Cortland, NY 13045-8836,  
United States  
Manufacturer 4:- Pyrotek CZ s.r.o  
Dolni Lhota 203, 67801 Blansko, Ceska republik,  
67801

This is to certify that the applicant has submitted details of a thermal insulation coating product (category reference MED/3.18b) known and designated as:-

### **"Decicoat™ T35"**

Having the technical specification given in the schedule of equipment on this certificate which has been tested and complies with the recommended criteria given in the following methods, published by the International Maritime Organisation, and which are contained in the relevant parts of the International Code for Application of Fire Test Procedures (FTP Code) namely:-

- IMO Resolution MSC. 307(88) Annex 1, Part 5
- Smoke and Toxicity is satisfied by meeting the total heat release ( $Q_t$ ) and peak heat release ( $Q_p$ ) as stated in IMO Fire Test Procedures Code, Annex 2 Section 2.2.
- IMO MSC/Circ.1120, 2 June 2004

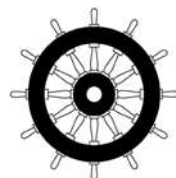
This certificate is issued on behalf of the Maritime and Coastguard Agency (MCA). The system complies with the relevant international testing standards under which legislation (The Merchant Shipping Marine Equipment) Regulations 1999 and also the Marine Equipment Directive 2014/90/EU as amended, the certificate is issued.

This product has been assigned a U.S. Coast Guard Module B number 164.112/EC1121/EWC MED0384 to note type approval to Module B only as it pertains to obtaining US Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27<sup>th</sup>, 2004.



P Duggan  
Manager  
WarringtonFire  
Holmesfield Road  
Warrington

WA1 2DS



Date of Issue: 3<sup>rd</sup> December 2018  
Revised on: 29<sup>th</sup> October 2014 & 7<sup>th</sup> November 2016 &  
22<sup>nd</sup> February 2019

This certificate is valid until: 2<sup>nd</sup> December 2023

**This certificate is not valid for equipment, the design or manufacture of which, has been varied or modified from the specimens tested.**

This certificate does not entitle the use of the Mark of Conformity, which requires an additional module, either D, E or F;

Under the terms of the Merchant Shipping (Marine Equipment Regulations 2016) Exova (UK) Limited trading as Warrington Certification has been notified to the European Commission by the Maritime and Coastguard Agency as a body authorised to conduct Type Examinations under the provision of the European Council Directive 2014/90/EU on Marine Equipment and issue Certificates of Type Approval.

### Certificate of Type Approval Schedule of Equipment

The applicant declared that the following comprises an accurate description of the system type to which this certificate applies.

General description		Thermal insulation coating applied to a steel substrate
Name of manufacturer		Pyrotek
Overall thickness		Nominally 5mm (stated by sponsor) 5.53mm (determined by <b>Warringtonfire</b> )
Overall weight per unit area		<b>See Note 1 below</b> 23.28kg/m <sup>2</sup> (determined by <b>Warringtonfire</b> )
Coating	Generic type	Water based acrylic coating
	Product reference	<b>"Decicoat™ T35"</b>
	Name of manufacturer	Pyrotek
	Colour reference	"White"
	Number of coats	<b>See Note 1 below</b>
	Application thickness	Nominally 2mm
	Density	<b>See Note 1 below</b>
	Application method	<b>See Note 1 below</b>
	Flame retardant details	<b>See Note 1 below</b>
Curing process per coat	<b>See Note 1 below</b>	
Substrate	Generic type	Steel
	Product reference	"Steel"
	Name of manufacturer	<b>See Note 2 below</b>
	Thickness	3mm
	Density / WPUA	<b>See Note 1 below</b>
	Colour reference	"Metallic"
	Flame retardant details	The substrate is inherently flame retardant
Brief description of manufacturing process		<b>See Note 1 below</b>

Note 1. The sponsor of the test has provided this information but at the specific request of the sponsor, these details have been omitted from the report and are instead held on the confidential file relating to this investigation.

Note 2. The sponsor was unwilling to provide this information.

The under noted documents have been approved for compliance with the relevant requirements of International Conventions and European Union Legislation for the EC Type examination of Marine Equipment for use on Ships Registered in the European Economic Area.

#### **Approved Documents - Test Reports**

- WF 335172 Surface Flammability test (dated 25<sup>th</sup> November 2013) to IMO Resolution MSC. 307(88) Annex 1, Part 5 of the IMO 2010 Fire Test Procedures Code.
- WF 376675 Surface Flammability test (dated 25<sup>th</sup> November 2016) to IMO Resolution MSC. 307(88) Annex 1, Part 5 of the IMO 2010 Fire Test Procedures Code.
- WF 399518 (Issue 2) Surface Flammability test (dated 13<sup>th</sup> June 2018) to IMO Resolution MSC. 307(88) Annex 1, Part 5 of the IMO 2010 Fire Test Procedures Code.
- WF 399516 (Issue 2) Surface Flammability test (dated 13<sup>th</sup> June 2018) to IMO Resolution MSC. 307(88) Annex 1, Part 5 of the IMO 2010 Fire Test Procedures Code.
- WF 399517 (Issue 2) Surface Flammability test (dated 13<sup>th</sup> June 2018) to IMO Resolution MSC. 307(88) Annex 1, Part 5 of the IMO 2010 Fire Test Procedures Code.
- Smoke and Toxicity is satisfied by meeting the total heat release (Q<sub>t</sub>) and peak heat release (Q<sub>p</sub>) as stated in IMO Fire Test Procedures Code, Annex 2 Section 2.2.

WarringtonFire, Holmesfield Road, Warrington, WA1 2DS

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## EC Declaration of Conformity

### Conformity Assessment Module Combination B+D

We hereby declare that the following specified equipment complies with the Marine Equipment Directive (MED) 2014/90/EU, as amended, last amended by 5th Implementing Regulation (EU) 2021/1158.

Product name	EC directive Item Number	EC Type-Examination Certificate No.	Notified Body number	Valid until (DD/MM/YYYY)
Decicoat T35	MED/3.18b	164.112/1121/EWC MED0384TE	1121	2023-12-02

As manufactured by,

Manufacturer: Pyrotek Pty Ltd.  
Manufacturer Address: 147-149 Magowar Rd  
Girraween 2145 NSW  
AUSTRALIA

This material has been tested to verify compliance with the following Regulations and Testing Standards by the International Maritime Organization (IMO), which contains relevant parts of the International Code for Applications of Fire Test Procedures (FTP), which include:

- IMO Resolution MSC. 307(88) Annex 1 (or equivalent) FTP Part 5
- Smoke and Toxicity IMO FTP Code Annex 1 Part 2 or Annex 2 section 2.2
- IMO MSC/Circ. 1120, 2 June 2004.

As per,

Quality Systems Certificate No. MEDD000028J Issued by DNV, Notified Body No: 0575, valid until 2022-05-29

The technical documentation for this equipment is retained at the following address:  
147-149 Magowar Rd, Girraween 2145 NSW AUSTRALIA.

Authorized additional site of production:

- Pyrotek CZ s.r.o., Dolní Lhota 203, 678 01 Blansko, Czech Republic

Appointed by the manufacturer  
as the responsible person for  
signing this Declaration:



Rebecca Volk  
Research and Development Scientist  
20/04/2022